

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: September 29, 2005

Inspector: Brian Sakidovitch

Location: 345kV Underground Route

Storm/

Rain Event: The area received several smaller rain events between 0.23-0.42" on 9/26 and between 0.13-0.45" on 9/29 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	<p>- Trenching, pipe installation, and sawcutting operations continue in several locations along Rt. 7 in Wilton during the night. A vault will be installed at the intersection of Rts. 107 and 7. 9/29/05</p> <p>- Trenching, pipe installation, and saw cutting continued along Rt. 107 during the day in the vicinity of Umpawaug Road and Blueberry Hill Rd. 9/29/05</p> <p>-Active work for a jack and bore of a stream near Allens Meadows Park is ongoing. The conduit has been installed under the stream and the pipe has been placed through. The efforts over the past few weeks have resulted in a significant improvement to the site. 9/29/05</p>	<p>-The majority of the work has been in the roadway and seems contained for the most part but there are a few issues that require attention. Continue to provide attention to any off- road areas that need restoration. Continue providing good "house-keeping" along the roadways. 9/29/05</p> <p>-The settling basin has been reworked and the water clarity is significantly improved. Erosion controls are much more effective. A few minor maintenance issues were noted. 9/29/05</p>
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<p>- The silt fence located at the edge of the original storage yard near the Rt. 107 and 7 intersection is still down completely, originally due to separate landowner activities. 8/19-9/29/05</p>	<p>-The fence has not been repaired but should be as a limit of work. Wetlands are immediately beyond the yard. 8/19-9/29/05</p>

Areas of Inspection	Observation	Recommended Action
<p>Erosion and Sediment Controls (continued)</p> <p>Route 7</p>	<ul style="list-style-type: none"> - Attempt to control all catch basins as well as outlet points off the road when work is in the vicinity. 9/29/05 - A number of previously trenched locations along Rt. 7 have been restored and seeded as recommended. 9/29/05 -Following the repairs made last week, the jack and bore site is significantly improved. The settling basin still had a large volume of water but the water clarity was much less turbid and it was being filtered well by erosion controls. 9/29/05 -A small trickle of water was escaping the basin at one spot and through a corner of silt fence. 9/29/05 -Another area of silt fence was not toed in on the northern side of the stream and there were stockpiles here that were not enclosed. 9/29/05 - All discharge hoses were placed appropriately. 9/29/05 - The water clarity in the stream had also improved. Obvious sediment deltas were not noted downstream past the culvert but some fine particulate had settled on the bottom. 9/29/05 - Several storage yards including the School Rd yard have materials/equipment into the brush line. 9/29/05 	<ul style="list-style-type: none"> - Make sure that haybales are placed in the catch basins during the nightwork and continue to maintain them. Filter fabric is also an accepted measure if haybales are difficult to maintain. 9/29/05 - Continue to restore the off-roadway and lawn areas with mulch and seed in the appropriate amount of time. 9/29/05 - The efforts made here were highly effective. Continue to maintain and improve as necessary.9/29/05 -Repair and toe in areas of fence as needed. 9/29/05 - BSC will determine if certain areas need to be cleared by hand/shovel. 9/29/05 - Contain storage areas to the extent possible and consider placing silt fence as a limit of work. 9/29/05

Areas of Inspection	Observation	Recommended Action
<p>Erosion and Sediment Controls (continued)</p> <p>Rt. 107 Daywork</p>	<ul style="list-style-type: none"> - Catch basins are still not being protected consistently on this portion of the work. BSC did not note any protection measures on catch basins in this area during this inspection. 9/21-9/29/05 - An area of silt fence in the work area just off Rt. 107 on Umpawaug Rd. was still down due to placement of materials and equipment. Soil stockpiled here is also not enclosed. 9/7-9/19/05 - Materials had been cleaned up from over the guardrail in previous work areas. 9/29/05 - It needs to be confirmed whether the disturbed soil on the side road north of Georgetown Deli was stabilized. 9/29/05 - A section of silt fence near Blueberry Hill Rd. was beginning to come down but still appeared to be toed in and functioning. 9/29/05 	<ul style="list-style-type: none"> - In general, catch basins should also be cleaned regularly and roadways swept of sediment attributed to the project. Contain all muds and monitor where water is flowing even when catch basins are not the receivers. 9/29/05 - The fence here should be restored. 9/7-9/29/05 - Continue to provide good “housekeeping” and in general materials should be placed in storage areas and contained with the work. 9/15-9/29/05 - Either mulch and seed the disturbed soil or place silt fence up at this location if not already done so. 9/29/05 - Repair and maintain silt fence as necessary. 9/29/05
<p>Adjacent Wetlands and Waterways</p>	<ul style="list-style-type: none"> - At the jack and bore near Allens Meadow Park, the water clarity of the stream was improved due to the repairs to the controls here.. Obvious deltas of sediment were not noted downstream of the culvert but fine sediment was on the stream bottom. 9/29/05 	<ul style="list-style-type: none"> - BSC can continue to help delineate areas of sediment that should be removed by hand. 9/29/05
<p>Staging, Storage, and Parking Areas</p>	<ul style="list-style-type: none"> - The silt fence at the equipment storage yard located on property off Rt. 7, south of the Rt 107 and 7 intersection has been completely pushed over by separate landowner activities. 	<ul style="list-style-type: none"> - The fence is not yet repaired but should be as a limit of work. Wetlands are located immediately adjacent. 8/19-9/29/05

Areas of Inspection	Observation	Recommended Action
	<p>8/19-9/29/05</p> <p>-Materials from past work areas have been cleaned up. 9/29/05</p> <p>-At the School Rd. storage area, the soil surface is disturbed where the stockpiles had been. If bore staging work is not scheduled here soon, it should be temporarily stabilized. . 9/1-9/29/05</p> <p>-A lot of equipment is being stored here and some materials have been placed into the brush line. 9/29/05</p> <p>-Several other storage areas along Rt. 7 including the Wilton Racquet Club and just north of the jack and bore also have materials into the brush line. 9/15-9/29/05</p>	<p>- In general, materials should be placed appropriately in storage areas or immediately adjacent to work each night. No potentially spillable materials should be left behind or out overnight. 9/29/05</p> <p>- Consider temporary restoration measures here if the need for staging is not scheduled in the near future. 9/1-9/29/05</p> <p>- Keep storage areas contained as much as possible, avoiding disturbance to vegetation that wasn't already cleared. The areas do not have any clear limit of work boundaries and may benefit from silt fence installation. 9/15-9/29/05</p>
Soils	<p>- Most soils along the project route are being trucked to a waste facility in Danbury for storage and eventual disposal. However, any soils from the work in Redding which meet the RSR levels are being used in the landfill as daily cover.</p>	<p>- Soils appear to be handled appropriately. 9/29/05</p>
State species of concern, threatened and endangered species	<p>- No species of concern are located in this area of construction.</p>	<p>- N/A</p>
Vegetative clearing limits (including trees to save or danger trees noted)	<p>-Several areas off roadway where soil was disturbed due to trenching have been restored and seeded. 9/29/05</p> <p>-Some clearing was done along the roadway near the Georgetown Deli as a work area. This area should also be restored when work is completed here. 9/21-9/29/05</p>	<p>-Continue to provide restoration as necessary in the appropriate amount of time. 9/29/05</p> <p>- Maintain silt fence here until the area is restored. 9/29/05</p>

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Dewatering	<ul style="list-style-type: none"> -Dewatering that occurs within the trench work along Rt. 107 and Rt. 7 is being directed to a frac tank truck. - Dewatering continues from both the jacking and receiving pits at the jack and bore. At the time of inspection, there was considerable volume of water going to the basin but it was much clearer than previously observed. 9/29/05 	<ul style="list-style-type: none"> - It could be determined whether the watershed basin is stressed due to removal of the groundwater. - Improvements to the water clarity in the stream and the settling basin were noted this week. 9/29/05
Blasting	<ul style="list-style-type: none"> - No blasting is occurring on site at this time. 	<ul style="list-style-type: none"> - None at this time.
Spills and Material Storage	<ul style="list-style-type: none"> - The leak noted last week at the jack and bore had been cleaned up well and no issues were noted. 9/29/05 - In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. Materials had been stored well at this inspection. 9/29/05 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers. - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - Check equipment status on a regular basis and keep spill kits on hand. - Report spills immediately, even if they are being controlled.
Additional Observations	<ul style="list-style-type: none"> - Adjacent work on the roadway has resulted in some observed damage to cable guardrails on Rt. 107. 9/29/05 	

Next likely scheduled inspection:

Wednesday, October 5, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden for Brian Sakidovitch



345kV (Route 107 Daywork): The photo on the left shows some silt fence beginning to come down near Blueberry Hill Rd. The photo on the right shows a storage area on Umpawaug Rd. where silt fence is down and a pile of soil is not within controls. (9/29/05)



345kV (Route 7): View of trenchwork in lawn areas that have been seeded and restored. (9/29/05)



345kV (Route 7): Photo on the left shows the School Rd. area storage yard with equipment and materials placed close to the brush line. Attempt to contain yards as much as possible and use silt fence as a work limit if necessary. Photo on the right is another view of the equipment stored at the yard. 9/29/05



The settling basin at the jack and bore is in good shape with much improved water clarity and erosion controls. (9/29/05)



Photo on the left shows how the silt fence is working well to collect and filter the water discharging from the basin. The photo on the right shows the improved clarity of the stream water where it reaches the last barrier. (9/29/05)



View of activity in the receiving pit to bring the HPFF pipe through the conduit installed under the stream. (9/29/05)



Photo on the left shows where a small leak of water is escaping through the silt fence corner at the bottom right of the picture. The photo on the right shows a section of silt fence that needs to be toed in on the northern side of the stream. (9/29/05)



View of the stream downgradient from the work (across Rt. 7) with fairly clear water and no apparent deltas of sediment. However, fine sediment was observed settled out on the bottom. (9/29/05)